Amendments to the Abstract:
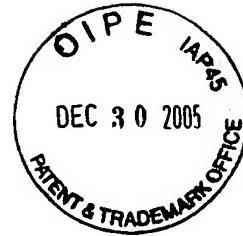
Please cancel the prior version of the Abstract in the application, and replace with the attached new Abstract.

Attachment: New Abstract

ABSTRACT

Methods and devices for processing packets are provided. The processing device may include an input interface for receiving data units containing header information of respective packets; a first module configurable to perform packet filtering based on the received data units; a second module configurable to perform traffic analysis based on the received data units; a third module configurable to perform load balancing based on the received data units; and a fourth module configurable to perform route lookups based on the received data units.